

<20% THD Electronic T8 8-Foot High Light Output Systems

QUICKTRONIC® 59 (PLUS) ISH

Lamp/Ballast Guide

59W T8 8-Foot - OCTRON®
2-lamp QT2x59PLUS

Primary Lamp Type:
FO96T8

Also operates:
FO96T8/SS (55W Lamp)

SYLVANIA QUICKTRONIC 59PLUS operates OCTRON FO96 T8 lamps with increased lumen output while providing high system efficacy.

SYSTEM 59PLUS provides 30 percent more light output than standard T8 systems and 20 percent more light output than F96T12 systems. SYSTEM 59PLUS also saves 25 percent in energy when compared to F96T12HO/SS systems.

High light output and multi-lamp capability allows fewer lamps to be used in a fixture and provides tandem wiring options. Also, parallel circuitry is utilized to keep the remaining lamps lit if one or more should go out.

Key System Features

- 119% Ballast factor
- Over 30% more light output than standard T8 8 foot systems
- 0°F (-18°C) min. starting temp. for OCTRON lamps
- 60°F (16°C) min. starting temperature with OCTRON SUPERSAVER® lamps
- Full lamp life
- High luminous efficacy
- Virtually eliminates lamp flicker
- Quiet operation
- High power factor
- Low harmonic distortion
- Low in-rush current
- UL, CSA, FCC

Application Information

SYLVANIA QUICKTRONIC 59PLUS

is ideally suited for:

- Commercial
- Retail
- Direct
- New Construction
- Industrial
- Hospitality
- Indirect
- Retrofit

System Information

SYSTEM 59PLUS uses instant start operation to provide the highest system efficacy and to assure low temperature starting capability. Instant start also provides for maximum remote wiring distances.

SYSTEM 59PLUS electronic ballasts have low harmonic distortion with corresponding low in-rush current for optimal system performance.

SYSTEM 59PLUS electronic circuitry is designed to be compatible with powerline carrier systems.

A complete OSRAM SYLVANIA System Performance Guide showing performance characteristics for all combinations of lamps and ballasts is available upon request.



Setting the standard for quality, SYSTEM 59PLUS is also covered by our QUICK 60+® warranty, the first and most comprehensive system warranty in the industry.

SYSTEM 59PLUS is available in two-lamp models in 120V and 277V to cover a wide range of applications.

System Type (2-lamp)	Input Wattage	Initial Lumens	System LPW
F96T12/HO - Magnetic	240	16720	70
F96T12/HO/SS - Magnetic	210	14720	70
F96T12/HO/SS - Electronic	180	14080	78
F96T12 - Magnetic	160	11350	71
F96T8/HO - Electronic	160	14430	90
QT2x59PLUS - FO96/XP	151	14515	96
QTP2x59 PLUS - FO96T8/XP/SS (55W)	141	13565	96

59 (PLUS) ISH High Ballast Factor

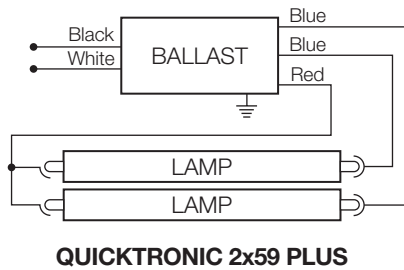
<20% THD Electronic T8 8-Foot High Light Output Fluorescent Systems

Item Number	Description	Input Voltage (VAC)	Input Current (AMPS)	Lamp ¹ Type	Rated ² Lumens (lm)	No. of Lamps	Ballast Factor (BF)	System Lumens	Input Wattage (W)	System Efficacy (lm/W)
49583	QT 2x59/120 PLUS	120	1.30	F096T8/XP	6100	2	1.19	14515	151	96
				F096T8/XP/SS (55W)	5700	2	1.19	13565	141	96
49584	QT 2x59/277 PLUS	277	0.56	F096T8/XP	6100	2	1.19	14515	151	96
				F096T8/XP/SS (55W)	5700	2	1.19	13565	141	96

¹ Also compatible with other manufacturer's equivalent lamp types that meet ANSI standards.
² Rated lamp lumens and performance data based on OCTRON® XP™ and SUPERSAVER® XP series lamps.

Performance Guide

Specifications^{1,2}



Starting Method: Instant Start
Circuit Type: Parallel
Lamp Frequency: > 20KHz
Lamp CCF: Less than 1.7
Starting Temp.:²
 0°F for OCTRON 96 T8 lamps;
 60°F for SUPERSAVER lamps
Input Frequency: 60 Hz
Low THD: < 20%
Power Factor: > 97%
Voltage Range: +/- 10% of Rated Input

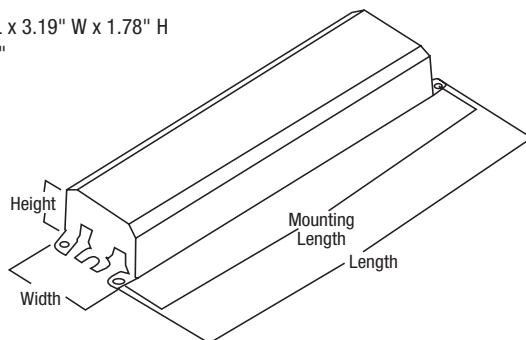
UL Listed Class P, Type 1 Outdoor
 CSA Certified
 70°C Max Case Temperature
 FCC 47CFR Part 18 Non-Consumer
 Class A Sound Rating
 ANSI C62.41 Cat A. Transient Protection
 Remote Mounting up to 18 feet

¹ Data based on F096 lamp.

² Operation below 50°F may affect light output or lamp operation – see "Low Temp. Starting" definition.

Dimensions:

Overall: 11.75" L x 3.19" W x 1.78" H
 Mounting: 11.14"



Packaging:

Quantity: 6 pieces
 Weight: 3.5 lbs (approx)

System Life / Warranty

QUICKTRONIC products are covered by our QUICK 60+® warranty, a comprehensive lamp and ballast system warranty. For additional details, refer to our QUICK 60+ warranty bulletin.

Ordering Guide

Specifications subject to change without notice.

Item Number ————— **49583 QT 2 x 59 / 120 PLUS** ————— System Type – PLUS
 QUICKTRONIC ————— Line Voltage
 Number of Lamps (2) ————— Primary Lamp Wattage